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## **CLAIMS LISTING**

2 3 Claims 1-111 (canceled). 4 5 112. (Currently Amended) A computer-implemented business method for actively and 6 declaratively managing, implementing, and executing a first dynamic process so as to 7 achieve explicit and measurable progress towards a business entity's objectives, 8 incorporating a dynamic pattern of operations driven by real-world conditions causing at 9 least a first behavioral pattern to emerge, said computer-implemented business method 10 comprising: 11 12 (a) incorporating a dynamic pattern of operations into the first dynamic process: 13 14 (b) identifying at least a first set of real world conditions: 15 16 (c) determining that the first set of real world conditions drives the first dynamic 17 pattern of operations and causes at least a first behavioral pattern to emerge; 18 19 (a d) declaring and stating an objective Objective of said first dynamic process as 20 a set of measurable Goals and Constraints; 21 22 (be) declaring and stating at least one objective Objective Rule Set having a 23 plurality of Rules, said Rules in the said objective Objective Rule Set being 24 defined to accomplish at least a part of said objective Objective by the 25 combination of at least one subset thereof: 26 wherein the Rules in said objective Objective Rule Set may act in any 27 order subject to the limitation that, for any specific Rule in said objective 28 Objective Rule Set, that specific Rule's Condition and applicable 29 Constraints must be satisfied before that specific Rule's Action may occur;

ı	(e i) delegating to at least one specific set of Actors consisting of at least one
2	Actor:
3	at least a first subordinate objective Objective, subordinate to the objective
4	Objective, stating the first subordinate objective Objective as a subset of
5	subordinate, measurable Goals and subordinate Constraints;
6	a set of Rules for accomplishing said first subordinate objective Objective;
7	authority via at least one Rule stating authority for attaining the
8	subordinate, measurable Goals of said first subordinate objective
9	Objective;
10	accountability via at least one Rule stating accountability for attaining the
11	subordinate, measurable Goals of said first subordinate objective
12	Objective; and,
13	responsibility via at least one Rule stating responsibility for attaining the
14	subordinate, measurable Goals of said first subordinate objective
15	Objective subject to the Constraints and subordinate Constraints;
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17	(dg) determining if at least one Rule's Condition is satisfied and if so triggering
18	said Rule's Action;
19	wherein said Rule's Condition incorporates at least one Measurable value
20	Value from at least one member of a set of sources; and,
21	said set of sources comprises comprise a source internal to said first
22	dynamic process, a source external to said first dynamic process, and a
23	source in the real world;
24	
25	(e h) modifying at least one Element of said dynamic process through the Action
26	of at least a Rule whose Condition is triggered by at least one input from an event
27	in the real world;
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29	(f i) defining any Actor as being at least one member of an Actor set comprising
30	human agent, semi-automated agent, and automated agent;
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1	(g j) defining any Element as being one member of an Element set comprising a
2	Goal, Rule, Rule Set, Condition, Action, Constraint, Measurable value Value, and
3	Delegation;
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5	(h k) defining each Rule so as to comprise a Condition that is satisfied when it
6	evaluates to a specified and predetermined value and an Action that is triggered
7	when the Condition is satisfied;
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9	(i l) determining the triggered Action of at least a first Rule and its relative order
10	with respect to a second Rule's Action, and therefore the behavior of the dynamic
11	process, at least partially by logical inference from Conditions and Constraints
12	rather than said relative order being predetermined and required by human
13	mandate;
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15	(j m) executing automatically at least a subset of the dynamic pattern of
16	operations that progresses towards said objective Objective, defining said subset
17	of the dynamic pattern of operations as comprising a plurality of operations, each
18	operation therein being temporally contiguous to at least one other operation in
19	said subset of the dynamic pattern of operations; and,
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21	(k n) specifying a plurality of Elements and implementing each of the steps of
22	declaring and stating, delegating, determining, and modifying, through a
23	declarative and therefore non-procedural representation.
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26	113. (Previously Presented) A method as in Claim 112 further comprising iterating at
27	least one of the steps of declaring and stating, delegating, determining, and modifying.
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114. (Currently Amended) A method as in Claim 112, further comprising the step of redeclaring and restating at least one Action of at least one Rule as a second dynamic process. 115. (Previously Presented) A method as in Claim 112 wherein the dynamic process represents a business's operational flow, said operational flow being that business's fundamental business activity of producing goods and services. 116. (Previously Presented) A method as in Claim 112 further comprising adding at least one new Element to the dynamic process in response to at least one input. 117. (Currently Amended) A method as in Claim 112 further comprising the step of using the measurable Goals and Measurable values Values to enable assessment of any member of a set of assessments, that set of assessments comprising risk of error, minimum contribution of any Rule to the Goal, maximum contribution of any Rule to the Goal, risk of deviation from the Goal due to the Action of any Rule, performance of at least one Actor, and relative efficiencies among any two Actors. 118. (Currently Amended) A method as in Claim 112 further comprising using the deviation of Measurable values From measurable Goals for at least one member of a set comprising accounting control, regulatory control, and reporting without first requiring that the dynamic process terminate. 119. (Previously Presented) A method as in Claim 112 wherein said method forms a business autopilot, which, once initiated, requires no human intervention to manage

1 successful execution of said subset of the dynamic pattern of operations even when 2 Actions and operations are implemented by human Actors. 3 4 5 120. (Currently Amended) A method as in Claim 112, further comprising: 6 including a set of Constraints consisting of at least one Constraint; 7 including a first Rule Set consisting of at least a first contained Contained Rule; 8 including a second Rule Set consisting of at least a second contained Contained 9 Rule; and, 10 including a set of ordering Rules consisting of at least one ordering Rule; 11 wherein the relative order by which each first contained Contained Rule in the first Rule 12 Set and at least a second contained Contained Rule in the second Rule Set are satisfied is 13 determined according to at least one member of a set comprising the set of Constraints, 14 implicit Rule precedence making the Action of each Contained Rule in the first Rule Set 15 satisfy a Condition of the second Contained Rule, the set of Constraints, and the set of 16 ordering Rules. 17 18 19 121. (Currently Amended) A method as in Claim 112, further comprising declaring and 20 stating at least a first Rule Set and a second Rule Set, wherein the second Rule Set is 21 subordinate to the first Rule Set, and wherein the second Rule Set inherits from the first 22 Rule Set at least one Condition of a Rule in the first Rule Set as a Constraint on the 23 second Rule Set and at least one Action of a Rule in the first Rule Set as a Goal of the 24 second Rule Set. 25 26 27 122. (Currently Amended) A method as in Claim 112, further comprising declaring and 28 stating at least a first Rule Set and a second Rule Set, wherein the second Rule Set is 29 subordinate to the first Rule Set, and wherein at least one change in Constraints by Action 30 of at least one Rule of the second Rule Set is passed to the first Rule Set. 31

1 2 123. (Currently Amended) A method as in Claim 112, wherein said declarative and 3 therefore non-procedural representation is at least one member of a representation set 4 comprising symbolic logic and declarative computer language. 5 6 7 124. (Currently Amended) A method as in Claim 112, wherein for at least one Rule: 8 the Condition of said Rule detects a difference between at least one Element of 9 said dynamic process and a Measurable value Value from at least one input, and 10 the Action of said Rule has an effect affect on at least that one Element of said 11 first dynamic process by modifying that one Element to do at least one member of 12 a response set comprising accommodate the Measurable value Value, and adjust 13 performance of said dynamic process as indicated by the Measurable value Value. 14 15 16 125. (Currently Amended) A method as in Claim 112 further comprising analyzing the 17 efficiency of a business operation by measuring the deviation of Measurable values 18 Values from measurable Goals. 19 20 21 126. (Previously Presented) A method as in Claim 112 further comprising: 22 incorporating a set of resolving Constraints comprising at least one member of a 23 resolving set comprising a resolving Constraint and a resolving Rule; and, 24 incorporating at least one ambiguous Rule; 25 wherein said set of resolving Constraints determines whether the ambiguous Rule's 26 Action will be triggered when the evaluation of the ambiguous Rule's Condition is not a 27 value that has been otherwise determined to cause the ambiguous Rule's action to trigger. 28 29

127. (Previously Presented) A method as in Claim 112 wherein, in the step of delegating, at least one member of what is delegated to one specific Actor is a consequence of the Rules, Constraints, and measurements associated with an Actor. 128. (Previously Presented) A method as in Claim 112 wherein at least one Element maintains consistency among any combination of authority to act, responsibility, response to operational failure, and accountability. 129. (Previously Presented) A method as in Claim 112 wherein at least one Rule makes explicit why Actions are undertaken and what is to be achieved. 130. (Currently Amended) A method as in Claim 112 further comprising replacing a first unrefined Unrefined Rule by a set of refinement Rules that include at least the Action of the first unrefined Unrefined Rule without the set of refinement Rules including the first unrefined Unrefined Rule. 131. (Currently Amended) A method as in Claim 130 further comprising: incorporating a first risk of error associated with the first unrefined Unrefined Rule: incorporating a second risk of error associated with a second refinement Refinement Rule belonging to the set of refinement Rules: wherein the second refinement Refinement Rule has the least risk of error of any refinement Rule in the set of refinement Rules; and wherein the second risk of error is not greater than the first risk of error. 

132. (Currently Amended) A method as in Claim 112 wherein the step of declaring and stating at least one objective Pule Set comprises stating at least a first objective Objective Rule Set and a second objective Objective Rule Set, wherein the first objective Objective Rule Set operates at a first level of the dynamic process and the second objective Objective Rule Set operates at a second level of the dynamic process. 133. (Currently Amended) A method as in Claim 132, wherein said first and second levels are indistinct and said first objective Objective Rule Set and said second objective Objective Rule Set form a peer to peer organization. 134. (Currently Amended) A method as in Claim 132, wherein said first and second levels are distinct and said first objective Objective Rule Set and said second objective Objective Rule Set form a hierarchical organization. 135. (Currently Amended) A method as in Claim 112, further comprising declaring and stating at least a first Rule Set and a second Rule Set, wherein the second Rule Set is subordinate to the first Rule Set, and wherein the first Rule Set further receives, from the second Rule Set, the result of an Action by a Rule of the second Rule Set as satisfaction of at least one Condition of a Rule of the first Rule Set. 136. (Currently Amended) A method as in Claim 135, wherein the first Rule Set further comprises at least a superior objective Objective and wherein the Action of the second Rule Set conveys information to the first Rule Set sufficient for the first Rule Set to alter at least the superior objective Objective when the superior objective does not conform to a Measurable value Value from the real world. 

1 137. (Currently Amended) A method as in Claim 112, further comprising: 2 including at least a second Rule Set comprising a set of Rules that are connected 3 and have no Rule for which both its Condition is not satisfied by some 4 combination of Actions and events, and its Action does not eventually in 5 combination with the Actions of other Rules in the set satisfy the Conditions of at 6 least one Rule; 7 including at least a first Satisfied Rule in said second Rule Set whose Condition 8 has been satisfied at least once: 9 and, 10 further including a set of pairs comprising an identification of at least one 11 satisfied Satisfied Rule and a time said satisfied Satisfied Rule was satisfied, said 12 set of pairs being partially ordered and constituting a first subordinate process. 13 14 15 138. (Previously Presented) A method as in Claim 137 wherein the second Rule Set 16 comprises the entire set of satisfied Rules of the first dynamic process and no explicit 17 ordering of the Rules in the second Rule Set is provided in defining said first dynamic 18 process. 19 20 21 139. (Previously Presented) A method as in Claim 112 wherein said set of Rules includes 22 at least one anticipatory Rule, the satisfaction of the Condition portion of said 23 anticipatory Rule being merely a possibility and neither a prediction nor a mandate, when 24 said anticipatory Rule is initially stated. 25 26 27 140. (Currently Amended) A method as in Claim 139 wherein said Condition of said 28 anticipatory Rule incorporates at least one conjunct which, at the time of creation of the Rule, incorporates a Measurable value Value that is contrary to the known and projected 29 30 state of the real world. 31

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2	141. (Previously Presented) A method as in Claim 112 further comprising:
3	storing said declarative and therefore non-procedural representation in a static and
4	stable form; and,
5	preserving human knowledge of said dynamic process.
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8	142. (Currently Amended) A method as in Claim 141 further comprising the steps of
9	organizing in a first business entity said declarative and therefore non-procedural
10	representation of said dynamic process for conveyance to a second business
11	entity;, and,
12	conveying said declarative and therefore non-procedural representation from the
13	first business entity to the second business entity.
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15	143. (Previously Presented) A method as in Claim 141 wherein said declarative and
16	therefore non-procedural representation of said dynamic process stores knowledge of at
17	least one member of a set comprising organizational management, at least one model of
18	business organization, at least one operational process, and at least one strategic process.
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21	144. (Currently Amended) A method as in Claim 141 further comprising the steps of:
22	retrieving at least a portion of said declarative and therefore non-procedural
23	representation; and,
24	instantiating said portion of said declarative and therefore non-procedural
25	representation as a second dynamic process in a business.
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27	145. (Currently Amended) A method as in Claim 112 wherein the step of delegating to at
28	least one specific Actor further comprises:
29	a first Actor at a first level stating a plurality of business Rules comprising
30	possible Conditions, each Condition comprising at least one member of a set
31	comprising factual circumstance, market situation, business event, and

1 Measurable <u>value</u>, and joined with at least one corresponding desired 2 Action matching a first measurable Goal; 3 a second Actor at a second level identifying a Goal-achieving set of business 4 Rules enabling said first measurable Goal to be attained: 5 and,; 6 said second Actor communicating at least a first result of the Goal-achieving set 7 of Rules to said first Actor. 8 9 10 146. (Previously Presented) A method as in Claim 145 wherein said plurality of business 11 Rules are responsive to a plurality of events, and wherein the actual operation of the 12 plurality of business Rules are combined to form a business process independent of any 13 pre-existing definition of the business process. 14 15 16 147. (Previously Presented) A method as in Claim 145 wherein said measurable Goal is 17 expressed as at least one Goal Rule comprising a Goal Condition which identifies said 18 measurable Goal and a Goal Action which specifies any combination of the members of a 19 measure set consisting of a measure of success, a measurement Constraint, and a measure 20 of failure. 21 22 23 148. (Currently Amended) A method as in Claim 145 wherein the first Actor further: 24 identifies the maximum acceptable risk associated with each risky Risky Rule in a 25 first <u>risky</u> Rule Set at the second level; 26 determines the risk associated with each risky Risky Rule; and, 27 for each <u>risky</u> Rule in the first <u>risky</u> Rule Set with risk that is not 28 below the maximum acceptable risk associated with said risky Rule, further 29 refines Actions of each such risky Risky Rule by delegating its Actions as a Goal 30 to a third Rule Set, and the third Rule Set is at a third level. 31

149. (Previously Presented) A method as in Claim 145 wherein the step of communicating further comprises stating at least one Rule having at least one Condition responsive to said desired Action and having an Action that performs said step of communicating. 150. (Previously Presented) A method as in Claim 145 wherein said first result is a qualitative measure of at least one member of a set of measurable properties comprising performance and Goal completion. 151. (Previously Presented). A method as in Claim 145 wherein said first Actor effects Delegation to at least one subordinate Actor any combination of any number of the members of a Delegation set consisting of responsibility, accountability, and authority that belong to the first Actor. 152. (Previously Presented) A method as in Claim 151 wherein said first Actor further effects Delegation by a Delegation Rule comprising at least one Delegation Condition which tests the appropriateness of achieving said desired Action and at least one Action which identifies at least one Actor as recipient of said Delegation. 153. (Previously Presented) A method as in Claim 152 wherein the Delegation Rule delegates authority by at least one member of a set comprising establishing at least one Rule Set, modifying at least one Rule Set, and deleting at least one Rule Set. 

1	154. (Previously Presented) A method as in Claim 151 wherein the first Actor delegates
2	authority by at least one member of a set comprising establishing at least one Rule Set,
3	modifying at least one Rule Set, and deleting at least one Rule Set.
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6	155. (Previously Presented) A method as in Claim 151 wherein said Delegation of
7	accountability is accomplished by enabling at least one member of a set, comprising said
8	second Actor and said second Rule, to alter at least one member of a set comprising
9	measurement of predefined success and measurement process.
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12	156. (Previously Presented) A method as in Claim 145 further comprising identifying a
13	second Actor according to a Goal stated as a set of requirements Rules and a set of
14	requirements Constraints, and according to measurements stated as a set of capabilities
15	Rules.
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18	157. (Currently Amended) A method as in Claim 156, wherein each requirement Rule in
19	said set of requirements Rules comprises both:
20	at least one requirements Condition identifying at least one member of a set
21	comprising the desired Action and at least one capability required to accomplish
22	said desired Action; and,
23	at least one requirements Action identifying at least one member of a set
24	comprising at least one capability of said second Actor and said desired Action.
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27	158. (Currently Amended) A method as in Claim 156, wherein each capability Rule in
28	said set of capabilities Rules consists of at least one member of a set comprising:
29	at least one capabilities Condition identifying at least one Actor and at least one
30	capabilities Action identifying at least one capability of said Actor; and,

1	at least one capabilities Condition identifying at least one capability, and at least
2	one capabilities Action identifying at least one Actor having said capability.
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5	159. (Currently Amended) A method as in Claim 156, further comprising a step of
6	matching said second Actor with said desired Goal by at least one criteria for comparing
7	at least one requirements Rule and at least one capabilities Rule.
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10	160. (Previously Presented) A method as in Claim 159 wherein said criteria is established
11	using at least one member of a match set comprising a best fit match algorithm, a fuzzy
12	match algorithm, an approximate match algorithm, and an exact match algorithm.
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15	161. (Currently Amended) A method as in Claim 112 wherein the step of modifying at
16	least one Element through the Action of at least a Rule whose Condition is triggered by at
17	least one input from at least one real_world event, further comprises:
18	
19	defining a first adaptation process comprising at least one adaptation Rule;
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21	constructing the adaptation Rule from a third Third Rule and requiring in the
22	adaptation Rule's Action at least one member of a set of Actions comprising
23	Element creation, self-modification, feedback, contradiction resolution, conflict
24	resolution, correction for failure, and decision making, each of which is not
25	already any previously existing Rule's Action;
26	
27	satisfying the Condition of the adaptation Rule through an event; and,
28	
29	affecting at least one Element through the Action of the adaptation Rule.
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1	162. (Previously Presented) A method as in Claim 161 wherein said first adaptation
2	process is independent of any external agent.
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5	163. (Previously Presented) A method as in Claim 161 further comprising monitoring
6	performance by and against specific metrics;
7	wherein the Condition of the adaptive Rule is satisfied by performance deviations
8	from the specific metrics; and the Action of the adaptive Rule is representative of
9	at least one member of a set comprising business events, business measures,
10	business decisions, business Rules, and business processes.
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13	164. (Currently Amended) A method as in Claim 161 further comprising:
14	modifying, through the Action of at least one adaptation Rule, at least a first
15	changed Changed Rule instantiated at a first level;
16	effectively modifying through the first changed Changed Rule instantiated at a
17	first level at least a first Goal of the first level; and
18	permitting but not requiring intervention from a higher level.
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21	165. (Currently Amended) A method as in Claim 161 further comprising:
22	continuously monitoring for at least one occurrence of the at least one real-world
23	event; and,
24	continuously modifying the Elements of the dynamic process, in response to the
25	occurrence of the at least one real_world event.
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28	166. (Currently Amended) A method as in Claim 161 further comprising:
29	incorporating at least one member of a set of dynamic processes comprising
30	creation, deletion, modification, and correction of both objectives Objectives and
31	Elements;

I	linking the adaptation process to at least one member of the set of dynamic
2	processes; and,
3	modifying the objectives Objectives and Elements by the adaptation process
4	according to at least one member of a set comprising Conditions and Constraints.
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7	167. (Previously Presented) A method as in Claim 161 wherein the step of modifying at
8	least one Element comprises:
9	detecting a contradiction;
10	changing at least one Rule Set, further comprising:
11	identifying at least a first and second conflicting Rule; and,
12	resolving the contradiction by at least one member of a set comprising adding a
13	new Constraint, altering a existing Constraint, adding a new Rule, altering at least
14	one of the first and second conflicting Rules, and eliminating at least one of the
15	first and second conflicting Rules; and,
16	logically differentiating the Actions of the first and second conflicting Rules.
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19	168. (Previously Presented) A method as in Claim 161 further comprising reducing at
20	least one operational latency in the dynamic process through the Action of the adaptation
21	Rule.
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24	169. (Previously Presented) A method as in Claim 161 wherein the adaptation Rule's
25	Condition is satisfied when a first contradiction occurs, and the adaptation Rule's Action
26	modifies at least one Element.
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29	170. (Previously Presented) A method as in Claim 169 wherein the first contradiction
30	comprises at least first and second logically-conflicting Elements, and the adaptation
31	Rule's Action selects one of the conflicting Elements through at least one member of a

1	set of selection techniques comprising random selection, deterministic selection, and
2	arbitrary selection, and modifies the selected Element.
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5	171. (Previously Presented) A method as in Claim 170 wherein the modification of the
6	selected Element prevents simultaneous application of the first and second logically-
7	conflicting Elements.
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10	172. (Previously Presented) A method as in Claim 169 wherein the first contradiction
11	comprises at least first and second logically-conflicting Elements, and the adaptation
12	Rule's Action alters at least one of the first and second logically-conflicting Elements and
13	creates a differentiation between the first conflicting Rule's Condition and the second
14	conflicting Rule's Condition, said differentiation preventing the first conflicting Rule's
15	Condition and the second conflicting Rule's Condition from being satisfied by the same
16	set of measurable inputs and Elements.
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19	173. (Previously Presented) A method as in Claim 172 wherein the adaptation Rule's
20	Action alters at least one of the first and second logically-conflicting Elements, modifies
21	the first logically-conflicting Element to include a Constraint not present in the second
22	logically-conflicting Element, and prevents the possibility of the first and second
23	logically-conflicting Elements from simultaneously occurring.
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26	174. (Previously Presented) A method as in Claim 161 wherein the step of constructing
27	the adaptation Rule further comprises:
28	stating the adaptation Rule's Condition to be satisfied when a first failure occurs;
29	and,
30	stating the adaptation Rule's Action to both incorporate modification of at least
31	one Element and effect a correction for the first failure.

175. (Previously Presented) A method as in Claim 174 wherein the first failure comprises not attaining a first Goal and the modification of at least one Element enables the first Goal to be attained by correcting at least one member of a set comprising at least one cause of the first failure and at least one effect of the first failure. 176. (Previously Presented) A method as in Claim 174 wherein the modification of at least one Element includes at least one member of a set of steps comprising creating, modifying, and deleting a second adaptation Rule. 177. (Currently Amended) A method as in Claim 174 wherein the first failure comprises not detecting a Measurable value Value and the modification of at least one Element comprises at least one member of a set comprising creating the Element, modifying the Element, and deleting the Element. 178. (Currently Amended) A method as in Claim 174, wherein a second failure comprises not attaining a second Goal and the modification of at least one Element includes the step of redeclaring and restating at least one Action of at least one Rule as a second dynamic process. 179. (Currently Amended d) A method as in Claim 174, wherein the first failure comprises not attaining a first Goal and the modification of at least one Element enables said first Goal to be attained by correcting at least one member of a failure set comprising at least a first cause of the first failure and at least a first effect of the first failure. 

1 180. (Currently Amended) A method as in Claim 174 wherein the adaptation Rule's 2 Action modifies at least a member Rule of the objective Objective Rule Set and, when the 3 member Rule's Condition is satisfied, the member Rule's Action modifies, without 4 human intervention, at least a first member of the set of measurable Goals. 5 6 7 181. (Currently Amended) A method as in Claim 174 wherein the adaptation Rule's 8 Action modifies at least a first Adaptable Rule of a set of Rules and, when the first 9 adaptable Adaptable Rule's Condition is satisfied, the first adaptable Adaptable Rule's 10 Action modifies, without human intervention and without modification of any Rule of the 11 objective Objective Rule Set, at least a first member of a set comprising subordinate 12 Goals and measurable Goals. 13 14 15 182. (Currently Amended) A method as in Claim 174, wherein the step of declaring and 16 stating at least one objective Objective Rule Set further comprises: 17 stating at least a first objective Objective Rule Set and a second objective 18 Objective Rule Set, wherein the first objective Objective Rule Set operates at a 19 first level of the dynamic process and the second objective Objective Rule Set 20 operates at a second level of the dynamic process; 21 and wherein the adaptation Rule's Condition effectively defines the need for a 22 closed\_loop effect in said first level and the adaptation Rule's Action changes at 23 least one Element in said second level. 24 25 26 183. (Currently Amended) A method as in Claim 174, wherein the step of modifying at 27 least one Element comprises modifying at least one member of a set comprising Goal, 28 Rule, Rule Set, Condition, Action, Constraint, Measurable value Value, and Delegation. 29 30

1	184. (Currently Amended) A method as in Claim 174 wherein the step of declaring and
2	stating at least one objective Objective Rule Set comprises stating at least a first objective
3	Objective Rule Set and a second objective Objective Rule Set:
4	wherein the first objective Objective Rule Set operates at a first level of the
5	dynamic process and the second objective Objective Rule Set operates at a second
6	level of the dynamic process; and,
7	wherein a first Goal is associated with the first level and a second Goal is
8	associated with the second level; and the first Goal and the second Goal overlap
9	by having a sub-goal subgoal in common.
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12	185. (Previously Presented) A method as in Claim 184 further comprising modifying the
13	overlap to avoid at least one member of a set comprising confrontation problems and
14	race-condition problems.
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17	186. (Currently Amended) A method as in Claim 112, wherein the step of declaring and
18	stating at least one objective Objective Rule Set comprises stating at least a first objective
19	Objective Rule Set and a second objective Objective Rule Set, wherein the first objective
20	Objective Rule Set operates at a first level of the dynamic process and the second
21	objective Objective Rule Set operates at a second level of the dynamic process, and
22	further comprising an organizing Rule comprising:
23	an organizing Condition; and
24	an organizing Action;
25	and the organizing Condition is satisfied by the Condition of at least one Rule in said first
26	objective Objective Rule Set and the organizing Action comprises at least the second
27	objective Objective Rule Set.
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1	187. (Previously Presented) A method as in Claim 186 wherein said organizing Action
2	delegates at least one member of the set comprising a Rule Set, authority, accountability,
3	and responsibility, and said organizing Rule creates a hierarchical Delegation.
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6	188. (Currently Amended) A method as in Claim 112 wherein the step of declaring and
7	stating at least one objective Objective Rule Set further comprises stating at least a first
8	objective Objective Rule Set and a second objective Objective Rule Set, wherein the first
9	objective Objective Rule Set operates at a first level of the dynamic process and the
10	second objective Objective Rule Set operates at a second level of the dynamic process,
11	and wherein the response to at least one Action of at least one Rule in the first objective
12	Objective Rule Set becomes at least one Condition of at least one Rule in the second
13	objective Objective Rule Set.
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16	189. (Previously Presented) A method as in Claim 188 wherein the first level and the
17	second level are identical, and at least one Rule in the first Rule Set receives at least one
18	response of at least one Rule in the second Rule Set as its Condition.
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21	190. (Previously Presented) A method as in Claim 141 further comprising:
22	analyzing the business operations represented in said declarative and therefore
23	non-procedural representation; and,
24	refining and tuning at least one member of a set comprising Decision, Business
25	Rule, and Business Process.
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27	191. (Canceled)
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29	192. (Currently Amended) An apparatus for actively and declaratively managing,
30	implementing, and executing a first dynamic process incorporating a dynamic pattern of

1	operations driven by real-world Conditions, through which at least a first behavioral
2	pattern emerges, comprising:
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4	static memory containing:
5	a set of measurable Goals and Constraints of said first dynamic process;
6	at least one Rule Set having a plurality of Rules:
7	wherein the Rules in said Rule Set may act in any order subject to
8	the limitation that, for any specific Rule in said Rule Set, that
9	specific Rule's Condition and applicable Constraints must be
10	satisfied before that specific Rule's Action may occur;
11	a declarative and therefore non-procedural representation of each Element,
12	and any of a set of steps of declaring, stating, delegating, determining, and
13	modifying;
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15	means for incorporating a dynamic pattern of operations into the first dynamic
16	process;
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18	means for identifying at least a first set of real world conditions;
19	
20	means for determining that the first set of real world conditions drives the first
21	dynamic pattern of operations and causes at least a first behavioral pattern to
22	emerge;
23	
24	means for accepting at least one input from the real world, said input comprising a
25	Measurable <u>value</u> ;
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27	means for comparing any input against the Condition of all Elements contained in
28	the static memory;
29	
30	means for delegating to at least one specific set of Actors consisting of at least
31	one Actor:

1 at least a first subordinate objective Objective, subordinate to the objective 2 Objective, stating the first subordinate objective Objective as a subset of 3 subordinate, measurable Goals and subordinate Constraints; 4 a set of Rules for accomplishing said first subordinate objective Objective; 5 authority via at least one Rule stating authority for attaining the 6 subordinate, measurable Goals of said first subordinate objective 7 Objective; 8 accountability via at least one Rule stating accountability for attaining the 9 subordinate, measurable Goals of said first subordinate objective 10 Objective; and, 11 responsibility via at least one Rule stating responsibility for attaining the 12 subordinate, measurable Goals of said first subordinate objective 13 Objective subject to the Constraints and subordinate Constraints; 14 15 means for determining if at least one Rule's Condition is satisfied and if so 16 subsequently triggering said Rule's Action wherein said Rule's Condition 17 incorporates at least one Measurable value Value from at least one member of a 18 set of sources and said set of sources comprises comprises a source internal to said 19 first dynamic process, a source external to said first dynamic process, and a 20 source in the real world; 21 22 means for modifying at least one Element through the Action of at least a Rule 23 whose Condition is triggered by at least one input from an event in the real world; 24 25 means for executing automatically at least a subset of the dynamic pattern of 26 operations, defining said subset of the dynamic pattern of operations as 27 comprising a plurality of operations, each operation therein being temporally 28 contiguous to at least one other operation in said subset of the dynamic pattern of 29 operations; and,

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1 means for specifying a plurality of Elements and implementing each of the steps 2 of declaring and stating, delegating, determining, and modifying, through a declarative and therefore non-procedural representation; 3 4 means for using said set of steps of declaring, stating, delegating, determining, 5 6 and modifying, to further the attainment of a Goal of said first dynamic process 7 independent of human action; and, 8 9 means for iterating through the steps of declaring, stating, delegating, 10 determining, and modifying.